

The HiFlyer

Lindstrand
TECHNOLOGIES

THE LINDSTRAND TECHNOLOGIES AEROSTAT VIDEO PROJECTION SYSTEM

Lindstrand Technologies latest development to the HiFlyer Balloon System is the Aerostat Video Projection System. Following the success of the international award winning AV Dome, Lindstrand Technologies have incorporated the projection technology into the HiFlyer balloon system, creating the first aerostat to have full 360 seamless video projection.

Hardware

Projector and Lens

High powered projectors linked to a super wide angle lens project images around the surface of the envelope.

Computer System

The PC system that will run the projector will be a dual system allowing for full redundancy backup that can be switched over either remotely by LTL staff or by a trained operator on site. These will be very low form factor compact PCs that will have small impact on the space within the gondola.

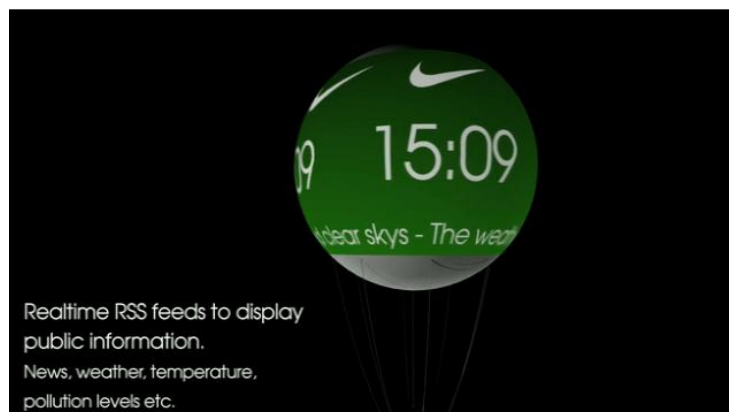
Cables

A fibre optic cable system connects the computer system to the projector.

Software System

The system will run using the Igloo Vision proprietary video player. This system has been developed as a video player system but also supports live feed from cameras or TV signals, RSS feeds from websites, such as news or weather reports. The system will cope with the extreme geometry distortion of the spherical shape of the balloon.

This systems control function can be run remotely via the internet, this allows for customisation of the scheduling of the content. This means the videos can be set to start at a certain time in the evening; different content can be triggered at different times. Also new content can be delivered to the system via an internet connection.



Media creation

The playback system will support traditional shaped media to play onto specific areas of the balloon. For example a DVD can be played onto a certain area of the balloon or played in several areas at once, but it may be necessary to create a film or animation that utilises the entire circumference of the sphere.